



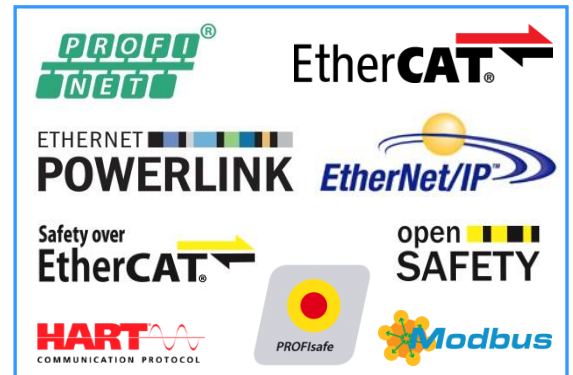
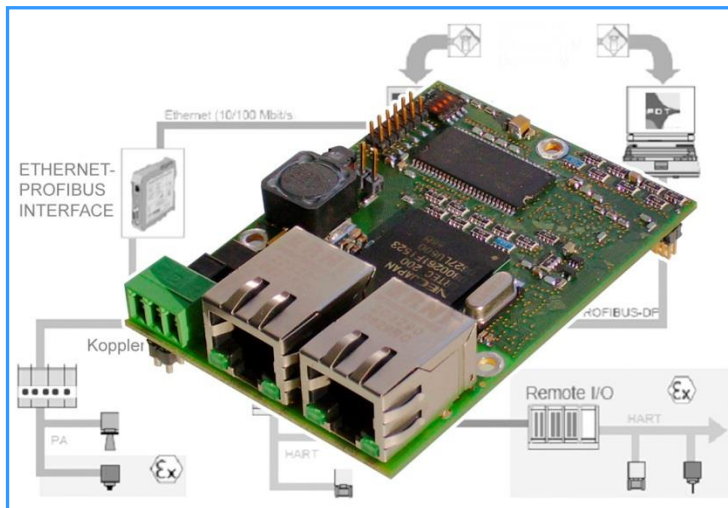
## Industrial Communication

### Overview

**MESCO Engineering** is your partner for electronic and software developments for factory and process automation. Our core expertise is the development of remote I/Os and field devices. We specialize in R&D services for automation and industrial communication with a focus on fieldbus/Ethernet implementations, on designs for explosive areas and for Functional Safety.

MESCO provides comprehensive development services for industrial communication with:

- PROFINET RT/IRT
- EtherCAT
- POWERLINK
- EtherNet/IP
- SmartWire
- PROFIsafe, FSoE, openSAFETY
- PROFIdrive, PROFInergy
- PROFIBUS DP / PA
- HART, *WirelessHART*
- Modbus serial / TCP
- Proprietary systems



### Services

#### Consulting

- Consulting and training in MESCO's in-house fieldbus laboratory

#### Design

- Hardware and software development for communication interfaces, fieldbus option boards and transmitters
- Definition of properties, parameters, profiles for fieldbus interfaces
- Implementation of communication stacks from MESCO's own pool or from third parties
- Power extraction and management for bus-powered devices
- Miniaturized designs
- Minimization of cost, time and risk by use of reference designs available at MESCO
- Development of device parameterization software (EDDL)

#### Testing and certification

- Conformity and interoperability tests in MESCO's in-house fieldbus laboratory
- In-house certification services and support with external certifications for fieldbus systems